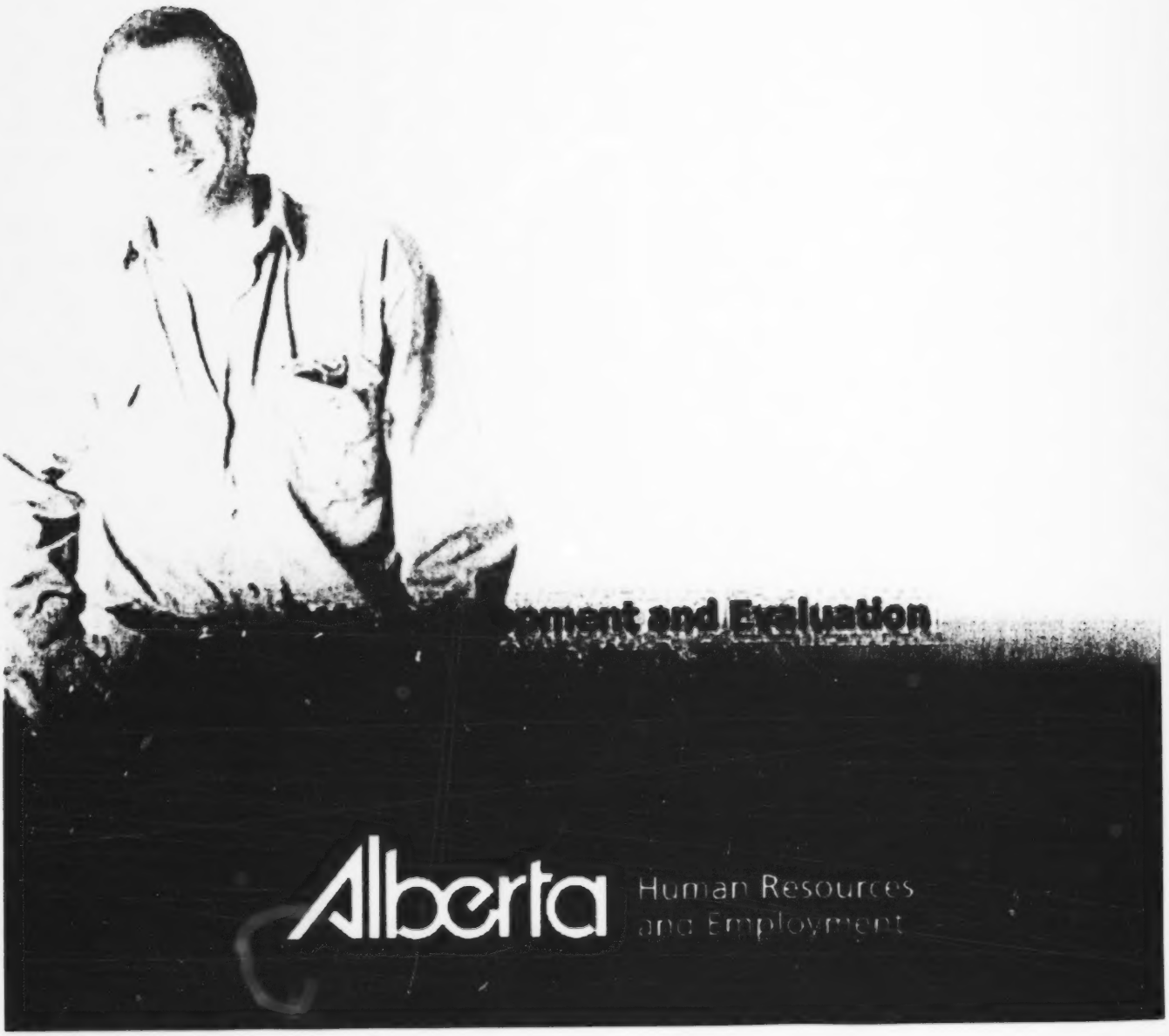
Industry Profiles

Utilities Industry



Alberta Human Resources and Employment

Overview:

The Utilities industry[1] in Alberta includes:

- Electric power generation, transmission and distribution
- Natural gas distribution
- Water, sewer and irrigation systems

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[1] Based on Statistics Canada Labour Force Historical Survey data and projections for the North American Industry Classification System (NAICS) major group 22.

Section A: Business Environment

1. Employment and Unemployment Numbers and Rates:

All numbers are based on annual averages in 2005

- Employed Albertans = 1,784,400 people
- Albertans employed in Utilities = 13,200 people
- This industry employs about 0.7% of all employed Albertans
- Unemployed Albertans = 73,100 people
- Albertans unemployed in Utilities = N/A*
- Alberta's unemployment rate =3.9%
- Utilities unemployment rate = N/A*

*N/A is reported in instances of insufficient sample size

For more information on employment numbers or for a historical comparison, go to the Labour Force Survey or Statistics Canada websites.

2. Industry Growth:

- The Utilities industry is expected to grow on average 0.5% annually from 2005 to 2010.
- Employment is expected to increase to 13,366 by 2010.
- This industry provides 0.2% of new jobs in Alberta between 2005 and 2010.

Adapted from the Alberta Modified COPS Outlook (2005-2010).

Industry Productivity

- Contributed $101.82 Real Gross Domestic Product (GDP) per hour worked in 2004 or $191,950 Real GDP per worker.
- In comparison, Alberta's Real GDP was $39.60 per hour worked or $73,549 Real GDP per worker.

For more information see the Labour Productivity in Alberta report online.

Outlook

The Alberta Occupational Demand and Supply outlook forecasts a supply shortage for the Managers in Manufacturing and Utilities occupation every year between 2005 and 2015.

Alberta's restructured markets for electric and natural gas have attracted private investment in an attempt to ensure healthy supply-demand balances, improve reliability and provide consumers with options for meeting their energy needs. New generation capacities, including increased wind power developments in southern Alberta, are planned. Construction of a wind power generating facility near Taber is expected to begin in April 2006, and be completed in early 2007. The City of Calgary will purchase all of its electricity with a long-term goal of having more than 75% of the city's municipal government operations provided by renewable resources.

3. Company Size

Establishment Size	Alberta Businesses		Utilities	
Less than 20 employees	505,700	35.0%	2,800	21.7%
20 to 99 employees	501,600	34.7%	3,300	25.6%
100 to 500 employees	278,200	19.2%	3,700	28.7%
Over 500 employees	161,200	11.1%	3,100	24.0%

Data Source: Labour Force Survey Historical Review 2005, Statistics Canada

Section B: Human Resources Profile

1. Occupational Information:

Some examples of occupations that can be found in the Utilities industry include:

- Gas Utility Operator
- Utility Clerk
- Water and Wastewater Treatment Plant Operator
- Power Lineman
- Power System Electrician

For a complete listing of all occupations related to this industry, as well as detailed information on educational and skill requirements, visit the Alberta Occupational Profiles website.

2. Demographics: Age and Gender

Gender in the Utilities industry:

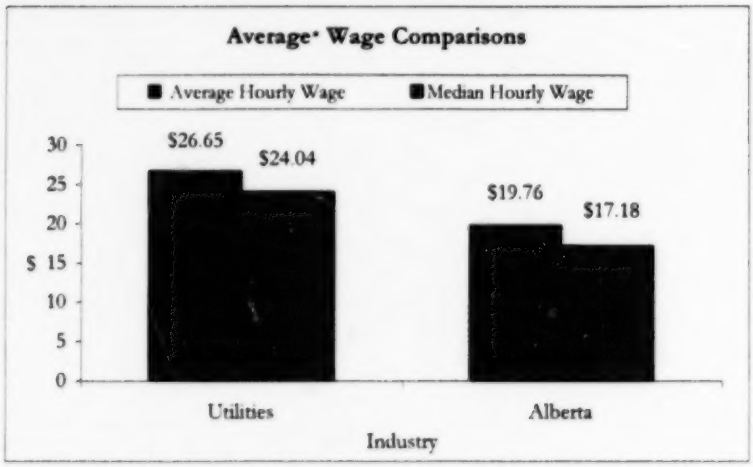
- Women employed: 4,700 people (35.6%)
- Men employed: 8,500 people (64.4%)

In comparison, women comprise 45% of the total employed in Alberta and men make up 55% of the employed.

Age Characteristics	Alberta Employees		Utilities Industry Employment	
	Number	%	Number	%
15- 24 years	311,800	17.5%	N/A*	N/A
25-54 years	1,236,400	69.3%	10,600	80.3%
55 years and over	236,200	13.2%	1,500	11.4%

Data Source: Labour Force Survey Historical Review 2005, Statistics Canada
*N/A is reported in instances of insufficient sample size

3. Wages



Data Source: Labour Force Historical Review 2005, Statistics Canada
*Average represents the arithmetic mean

Wage and Salary Information for Selected Occupations

Occupation	Average Hourly Wage			Overall Average Salary
	Starting	After 3 years	Top	
Senior Managers - Goods Production, Utilities, Transportation and Construction	N/A†	N/A†	$ 68.14	$ 120,613
Utilities Managers	N/A†	$ 27.99	$ 34.60	$ 60,223
Waterworks and Gas Maintenance Workers	$ 17.16	$ 20.58	$ 26.16	$ 49,660

Data Source: 2005 Wage and Salary Survey
*Average represents the arithmetic mean
†N/A due to insufficient response

For more information on wages, job descriptions, duties, required skills and educational requirements for specific occupations in the Utilities industry see the Wage and Salary Survey.

Section C: Additional Information

1. Links to Selected Industry Associations:

- Alberta Energy and Utilities Board
- Canadian Gas Association
- Canadian Wind Energy Association
- Canadian Electricity Association

2. Link to Government Library Database:

http://acscinfolink.gov.ab.ca/libraries/workplace/